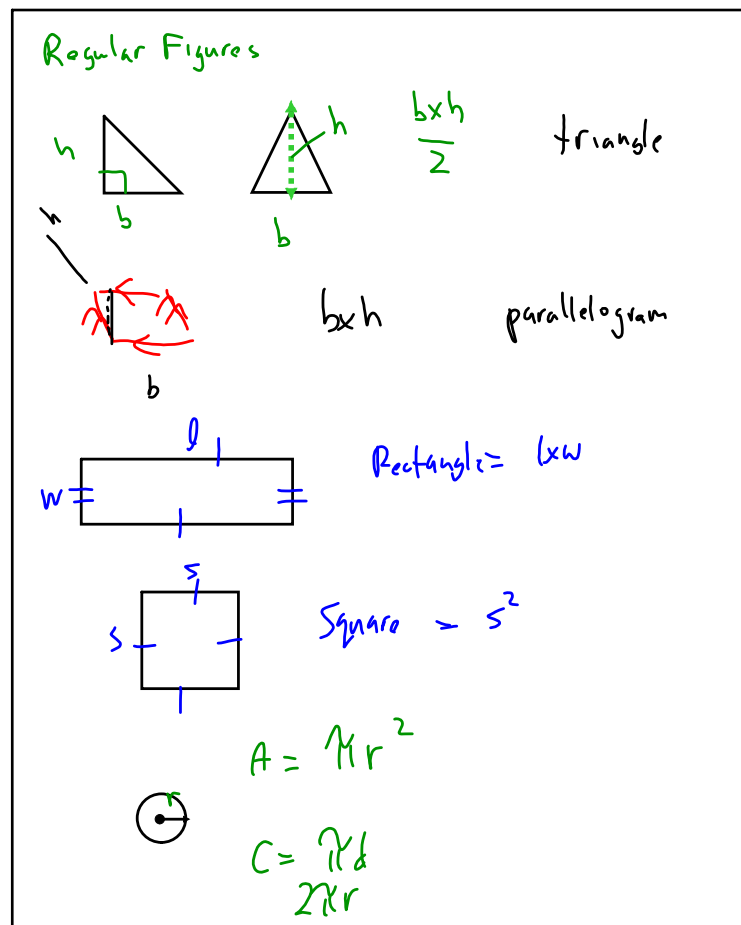


- MAP 4C - Measurement
Conversion - metric to imperial
- Functions - Linear
Quadratics
Exponential
- Financial - Loans, Savings
Mortgages
→ Budgeting

Feb 3-9:36 AM



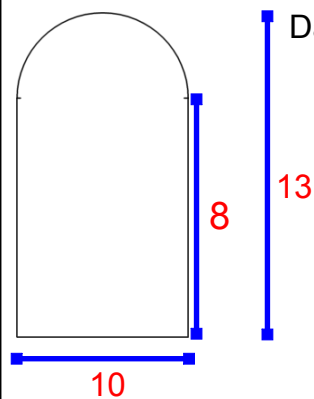
Feb 3-10:17 AM

Map 4C Area 1.1 p. 6-15

Composite Figures- Area of Objects made up of a series of regular and irregular objects

Example 1 p. 7

Dance Floor



Calculate the Area of the Dance Floor



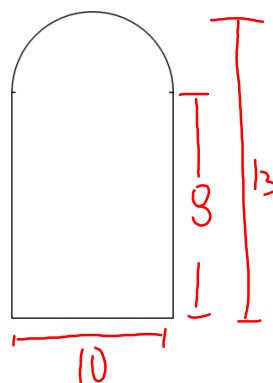
Feb 7-7:18 AM

Map 4C Area 1.1 p. 6-15

Composite Figures- Area of Objects made up of a series of regular and irregular objects

Example 1 p. 7

Dance Floor



$$A = A_R + A_C$$

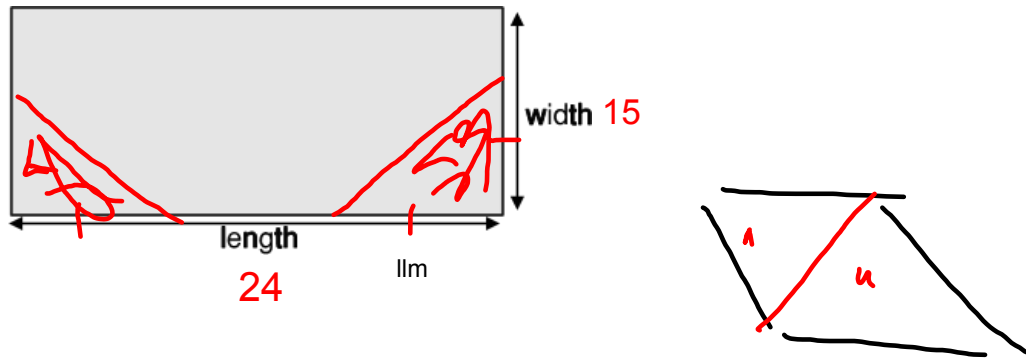
$$\begin{aligned} A_R &= l \times w \\ &= 10 \times 8 \\ &= 80 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} A_C &= \frac{\pi r^2}{2} \\ &= \frac{3.14 (5)^2}{2} \\ &= \frac{3.14 (25)}{2} \\ &= \frac{78.5}{2} \\ &= 39.25 \end{aligned}$$

$$\begin{aligned} A_C &= 80 + 39.25 \\ &= 119.25 \text{ m}^2 \end{aligned}$$

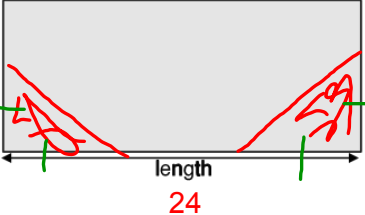
Feb 7-7:18 AM

Example 2 p. 8



Feb 7-7:22 AM

Example 2 p. 8



$$A_R = l \times w$$

$$= 24 \times 15$$

$$= 360 \text{ m}^2$$

$$A_T = 2 \left(\frac{b \times h}{2} \right)$$

$$= 2 \left(\frac{11 \times 11}{2} \right)$$

$$= 121 \text{ m}^2$$

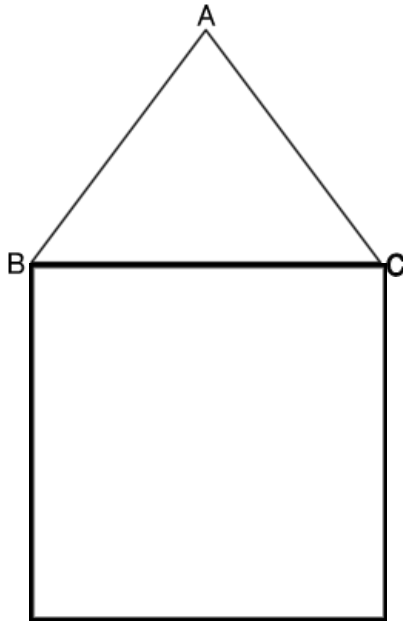
$$A_C = 360 - 121$$

$$= 239 \text{ m}^2$$

Feb 7-7:22 AM

Example 3 p. 9 & 10

Conversion and Cost



Feb 7-7:26 AM

Example 3 p. 9 & 10
Conversion and Cost

$$\begin{aligned}
 A_t &= \frac{b \times h}{2} \\
 &= \frac{25 \times 7}{2} \\
 &= 87.5 \text{ sq ft} \\
 A_r &= b \times h \\
 &= 25 \times 12 \\
 &= 300 \text{ sq ft} \\
 A_w &= 2 \left(\frac{3 \times 3}{2} \right) \\
 &= 2(9) \\
 &= 18 \text{ sq ft} \\
 A_c &= 300 + 87.5 - 18 \\
 &= 369.5 \text{ sq ft} \\
 &= 369.5 \text{ sq ft} \times 0.0929 \text{ m}^2/\text{ft}^2 \\
 &= 68.7 \text{ m}^2 \\
 68.7 / 45 &= 1.52
 \end{aligned}$$

You would need two cans of paint to cover the area.

Feb 7-7:26 AM

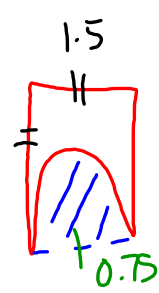
Key Concepts

- convert irregular shapes in a series of regular shapes
- make sure all units are equal
- apply strategy ; add regular composite shapes together or
 subtract composite shapes from the total shape

Hmk. p11-15 q 1, 4-9 13*

Feb 7-7:27 AM

q7 p12



$$\begin{aligned}
 A_s &= s^2 \\
 &= 1.5 \times 1.5 \\
 &= 2.25 \text{ sq in}
 \end{aligned}$$

$$\begin{aligned}
 A_c &= \frac{\pi r^2}{2} \\
 &= \frac{3.14 (0.75)^2}{2} \\
 &= 0.88
 \end{aligned}$$

$$\begin{aligned}
 A_{\text{NET}} &= 2.25 - 0.88 \\
 &= 1.37 \text{ sq in}
 \end{aligned}$$

Feb 8-9:35 AM